

FIG. 5B

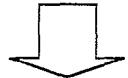
Raw Data: $S_{i,j}$, $i = 1, \dots, M$, $j = 1, \dots, N$

Slope-scan type of instruments

Radial slopes with N radial lines and M circumferential tracts.

600

b

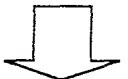


Track Averaging (circumferential averaging):

Averaging the measured slopes at the same circumferential track for all tracks.

$$\hat{S}_i = \frac{1}{N} \sum_{j=1}^N S_{i,j} \quad i = 1, \dots, M$$

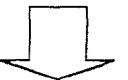
602



Radial Moving Averaging (in l tracks):

$$\bar{S}_i = \frac{1}{l} \sum_{k=i}^{i+l} \hat{S}_k \quad i = 1, \dots, M - l$$

604



Radial Derivatives (curvature):

$$C_i = (\bar{S}_i - \bar{S}_{i+l}) / (l \times \text{track width}), \quad i = 1, \dots, M - l$$

606

Figure 1

